TITLE: ADJUSTABLE FIXTURE FOR AN UMBRELLA

Field of the Invention

This invention relates to an adjustable fixture for an umbrella, and more particularly to an adjustable fixture to control the umbrella to extend or retract in length in an easy and safe manner.

Background of the Invention

A conventional umbrella with a length adjustable fixture uses a cam to control the extension and retraction of the umbrella. However, when in a loose status, the sliding of the umbrella still engages with the cam. This deteriorates the material gradually and eventually is going to loose its function.

In view of this, the inventor has derived the present invention to improve the shortcomings

Summary of the Invention

It is the primary object of the present invention to provide an adjustable fixture for an umbrella, which eliminates the friction when in a released status.

It is another object of the present invention to provide an adjustable fixture for an umbrella, which is easy to operate.

It is a further object of the present invention to provide an adjustable fixture for an umbrella, which can last longer and is cost effectiveness.

Brief Description of the Drawings

FIG. 1 is a perspective view of the present invention;

FIG. 2 is a cross-sectional view of the present invention; and

FIG. 3 is a cross-sectional view depicting the present invention in a released status.

Detailed Description of the Preferred Embodiment

An adjustable fixture for an umbrella of the present invention comprises a sleeve 1, a cam handle 2, and a block 3 incorporated with an outer rod 4 and an inner rod 5 of the umbrella.

The outer rod 4, as shown in FIG. 1, is inserted within the sleeve 1 while the inner rod 5 is inserted within the outer rod 4 in a slidable manner. The sleeve 1 has a connecting wall 11 bossing out from one side thereof and holes 12 on the same side exposing from the connecting wall 11. The cam handle 2 has a cam 21 at one end. The cam 21 is pivotally connected to connecting wall 11 of the sleeve 1 by a pin 22. The block 3 is located between the cam 21 of the cam handle 2 and the holes 12 of the sleeve 1. Springs 31 are located between the block 3 and the outer rod 4. The block 3 is urged by the springs 31 towards the cam 21 of the cam handle 2.

When pushing down the cam handle 2, as shown in FIG. 2, the cam 21 urges the block 3 to tighten the inner rod 5 and to restrict the inner rod 5 from sliding within the outer rod 4. On the contrary, when the cam handle 2 is lifted upward, the locking situation is released, the springs 31 urge the block 3 towards the cam 21, thus the inner rod 5 is free to move within the outer rod 4.